

Switch ON the Photometer
File: H_FCP_SPI_PHON.xls
Author: R. Biggins



Procedure Summary

Objectives

The objective of this procedure is to switch ON the Photometer Detectors (PDET)

Summary of Constraints

n/a

Spacecraft Configuration

Start of Procedure

SPIRE is in BSM_INIT mode

End of Procedure

SPIRE is in PDET_ON mode

Reference File(s)

Input Command Sequences

Output Command Sequences

HFSPHON

Referenced Displays

ANDs	GRDs	SLDs
SA_6_559		
SAP0_559		
SA_7_559		
ZAZ08999		
SA_4_559		
SA_5_559		

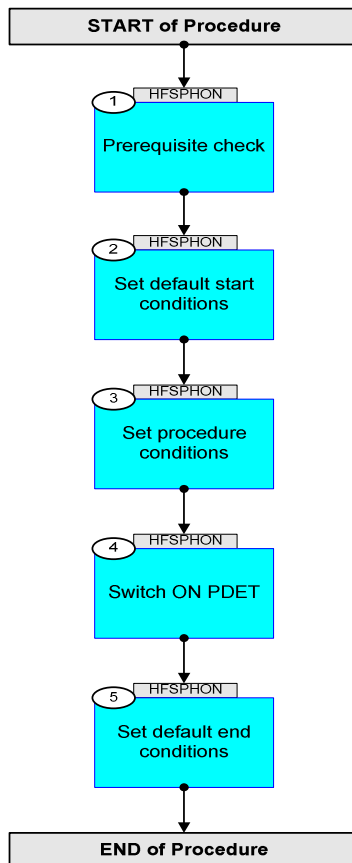
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
07/08/2007		1	Created	R. Biggins	
			Update due to initial testing against the simulator:□		
15/01/2008		2	- TCs updated due to new DB	R. Biggins	

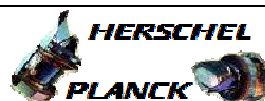
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Procedure Flowchart Overview

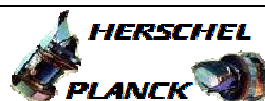


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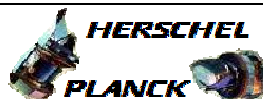
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
Beginning of Procedure				
HFSPHON Switch ON PDET				
SSID :				
1		Prerequisite check		Next Step: 2
		Verify Telemetry MODE SM00M500	= BSM_INIT	AND=SA_6_559
		Verify Telemetry PLIABITSTAT SM_0X520	= OFF	AND=SA_6_559
		Verify Telemetry PSWJFETSTAT SM20F510	= 0 <hex>	AND=SAP0_559
		Verify Telemetry PMLWJFETSTAT SM80F510	= 0 <hex>	AND=SAP0_559
		Verify Telemetry PSWJFET1V SM20V510	= 0.0 V	AND=SAP0_559
		Verify Telemetry PSWJFET2V SM21V510	= 0.0 V	AND=SAP0_559
		Verify Telemetry PSWJFET3V SM22V510	= 0.0 V	AND=SAP0_559
		Verify Telemetry PSWJFET4V SM23V510	= 0.0 V	AND=SAP0_559
		Verify Telemetry PSWJFET5V SM24V510	= 0.0 V	AND=SAP0_559
		Verify Telemetry PSWJFET6V SM25V510	= 0.0 V	AND=SAP0_559
		Verify Telemetry PMWJFET1V SM30V510	= 0.0 V	AND=SAP0_559
		Verify Telemetry PMWJFET2V SM31V510	= 0.0 V	AND=SAP0_559
		Verify Telemetry PMWJFET3V SM32V510	= 0.0 V	AND=SAP0_559
		Verify Telemetry PMWJFET4V SM33V510	= 0.0 V	AND=SAP0_559
		Verify Telemetry PLWJFET1V SM50V510	= 0.0 V	AND=SAP0_559
		Verify Telemetry PLWJFET2V SM51V510	= 0.0 V	AND=SAP0_559
		Verify Telemetry PLIAP5V SML0V510	= 0.0 V	AND=SA_7_559
		Verify Telemetry PLIAP9V SML1V510	= 0.0 V	AND=SA_7_559

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Verify Telemetry PLIAM9V SML2V510	= 0.0 V	AND=SA_7_559
		Verify Telemetry BSW_SDB_ActProf DEF5F160	= 3 <dec>	AND=ZAZ08999
2		Set default start conditions		Next Step: 3
	ET=+00.00.00 UT=+00.00.00	SET_OBS_STEP SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SC003500 0 <hex>	
	ET=+00.00.00 UT=+00.00.00	SET_BBID SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID SP01N500 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SC001500 80010001 <hex>	
	ET=+00.00.02 UT=+00.00.02	SET_OBS_STEP SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SC003500 1 <hex>	
	ET=+00.00.00 UT=+00.00.00	SET_OBSID SET_OBSID Command Parameter(s) : OBSERVATION_ID SP00N500 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SC000500 B0000000 <hex>	

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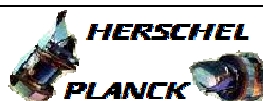
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	SET_OBS_STEP SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SC003500 0 <hex>	
	ET=+00.00.00 UT=+00.00.00	SET_BBID SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID SP01N500 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SC001500 80000000 <hex>	
	ET=+00.00.01 UT=+00.00.01	SET_OBS_STEP SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SC003500 0 <hex>	
	ET=+00.00.01 UT=+00.00.01	SET_BBID SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID SP01N500 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SC001500 80020001 <hex>	
	ET=+00.00.02 UT=+00.00.02	SET_OBS_STEP SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SC003500 1 <hex>	
3		Set procedure conditions		Next Step: 4

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	RESET_DRCU_COUNTERS RESET_DRCU_COUNTERS TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SCD00505	
	ET=+00.00.01 UT=+00.00.01	SET_OBSID SET_OBSID Command Parameter(s) : OBSERVATION_ID SP00N500 TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SC000500 OBS_ID	
	ET=+00.00.01 UT=+00.00.01	SET_OBS_STEP SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SC003500 0 <hex>	
	ET=+00.00.01 UT=+00.00.01	SET_BBID SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID SP01N500 TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SC001500 80000000 <hex>	
	ET=+00.00.01 UT=+00.00.01	SET_OBS_STEP SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SC003500 0 <hex>	
	ET=+00.00.00 UT=+00.00.00	SET_BBID SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID SP01N500 TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SC001500 85000001 <hex>	

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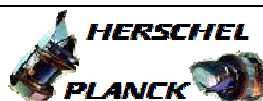
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	SET_OBS_MODE SET_OBS_MODE Command Parameter(s) : OBSERVING_MODE SP02N500 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SC002500 203 <hex>	
		Verify Telemetry MODE SM00M500	= PDET_ON	AND=SA_7_559
	ET=+00.00.01 UT=+00.00.01	SET_OBS_STEP SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SC003500 1 <hex>	
4		Switch ON PDET		Next Step: 5
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetDRelOnOff SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 A0870005 <hex> 0 <hex> (Def)	
		Verify Telemetry SCUDCDCSTAT SM_2F520	= 5 <hex>	AND=SA_4_559
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetPhotoBiasMode SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 840000FF <hex> 0 <hex> (Def)	
		Verify Telemetry PHOTBIASMODE SMB0M510	= FF <hex>	AND=SAP0_559

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.00 UT=+00.00.00	Send DRCU command to SetPhotoMClkDiv SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 84190095 <hex> 0 <hex> (Def)	
		Verify Telemetry PHOTMCLKDIV SMB0H510	= 0095 <hex>	AND=SAP0_559
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetPhotoBiasDiv SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 84180006 <hex> 0 <hex> (Def)	
		Verify Telemetry PHOTBIASDIV SMP0H510	= 0006 <hex>	AND=SAP0_559
	ET=+00.00.00 UT=+00.00.00	Send DRCU command to SetPhotoBiasAmpl (SW Channels) SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 84010002 <hex> 0 <hex> (Def)	
		Verify Telemetry PSWBIAS SMB0V510	= 1.00 mV	AND=SAP0_559
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetPhotoBiasAmpl (MW Channels) SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 84020002 <hex> 0 <hex> (Def)	
		Verify Telemetry PMWBIAS SMB1V510	= 1.01 mV	AND=SAP0_559

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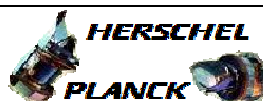
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.00 UT=+00.00.00	Send DRCU command to SetPhotoBiasAmpl (LW Channels) SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 84030002 <hex> 0 <hex> (Def)	
		Verify Telemetry PLWBIAS SMB2V510	= 1.01 mV	AND=SAP0_559
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetPhotoBiasAmpl (TC Channels) SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 84040002 <hex> 0 <hex> (Def)	
		Verify Telemetry TCBIAS SMB3V510	= 1.99 mV	AND=SAP0_559
	ET=+00.00.00 UT=+00.00.00	Send DRCU command to SetPhaseShift (SW Channels) SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 841A0080 <hex> 0 <hex> (Def)	
		Verify Telemetry PSWPHASE SM20R510	= 180.71 deg	AND=SAP0_559
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetPhaseShift (MW Channels) SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 841B0080 <hex> 0 <hex> (Def)	
		Verify Telemetry PMWPHASE SM30R510	= 180.71 deg	AND=SAP0_559

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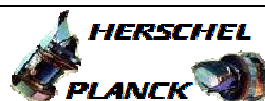
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.00 UT=+00.00.00	Send DRCU command to SetPhaseShift (LW Channels) SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 841C0080 <hex> 0 <hex> (Def)	
		Verify Telemetry PLWPHASE SMC0R510	= 180.71 deg	AND=SAP0_559
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetPhaseShift (TC Channels) SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 841D0089 <hex> 0 <hex> (Def)	
		Verify Telemetry TCPHASE SMC0R510	= 193.41 deg	AND=SAP0_559
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetDCUDataMode SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 843C0010 <hex> 0 <hex> (Def)	
		Verify Telemetry DCUDATAMODE SMD0M510	= POFFSET	AND=SA_5_559
	ET=+00.00.00 UT=+00.00.00	Send DRCU command to SetDCUStartFrame SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 843E0001 <hex> 0 <hex> (Def)	
		Verify Telemetry DCUDATASTAT SMD2F510	= RUN	AND=SA_5_559

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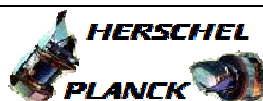
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.02 UT=+00.00.02	Send DRCU command to SetDCUStartFrame SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 843E0000 <hex> 0 <hex> (Def)	
		Verify Telemetry DCUDATASTAT SMD2F510	= OFF	AND=SA_5_559
	ET=+00.00.00 UT=+00.00.00	Send DRCU command to SetDCUDataMode SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 843C0018 <hex> 0 <hex> (Def)	
		Verify Telemetry DCUDATAMODE SMD0M510	= POFFGET	AND=SA_5_559
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetDCUStartFrame SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 843E0001 <hex> 0 <hex> (Def)	
		Verify Telemetry DCUDATASTAT SMD2F510	= RUN	AND=SA_5_559
	ET=+00.00.03 UT=+00.00.03	Send DRCU command to SetDCUStartFrame SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 843E0000 <hex> 0 <hex> (Def)	
		Verify Telemetry DCUDATASTAT SMD2F510	= OFF	AND=SA_5_559

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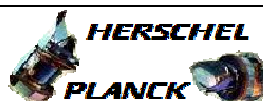
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.00 UT=+00.00.00	<p>FLUSH_FIFO</p> <p>FLUSH_FIFO</p> <p>Command Parameter(s) :</p> <p>FIFOFLAGS SPD0N505</p> <p>TC Control Flags :</p> <p>GBM IL DSE --- -- ---</p> <p>SSID : 370</p>	<p>SCD01505</p> <p>1000 <hex></p>	
	ET=+00.00.01 UT=+00.00.01	<p>Send DRCU command to SetDCUDataMode</p> <p>SEND_DRCU_COMMAND</p> <p>Command Parameter(s) :</p> <p>DRCUCOMMAND SPD4N505</p> <p>OVERRIDE SPD9N505</p> <p>TC Control Flags :</p> <p>GBM IL DSE --- -- ---</p> <p>SSID : 370</p>	<p>SCD06505</p> <p>843C0000 <hex></p> <p>0 <hex> (Def)</p>	
		<p>Verify Telemetry</p> <p>DCUDATAMODE SMD0M510</p>	= PHOT	AND=SA_5_559
	ET=+00.00.00 UT=+00.00.00	<p>Send DRCU command to SetDCUFrameCount</p> <p>SEND_DRCU_COMMAND</p> <p>Command Parameter(s) :</p> <p>DRCUCOMMAND SPD4N505</p> <p>OVERRIDE SPD9N505</p> <p>TC Control Flags :</p> <p>GBM IL DSE --- -- ---</p> <p>SSID : 370</p>	<p>SCD06505</p> <p>843D0000 <hex></p> <p>0 <hex> (Def)</p>	
		<p>Verify Telemetry</p> <p>DCUDATAFRMS SMD0N510</p>	= CONTINUOUS	AND=SA_5_559
	ET=+00.00.01 UT=+00.00.01	<p>Send DRCU command to SetDCUStartFrame</p> <p>SEND_DRCU_COMMAND</p> <p>Command Parameter(s) :</p> <p>DRCUCOMMAND SPD4N505</p> <p>OVERRIDE SPD9N505</p> <p>TC Control Flags :</p> <p>GBM IL DSE --- -- ---</p> <p>SSID : 370</p>	<p>SCD06505</p> <p>843E0001 <hex></p> <p>0 <hex> (Def)</p>	
		<p>Verify Telemetry</p> <p>DCUDATASTAT SMD2F510</p>	= RUN	AND=SA_5_559

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.03 UT=+00.00.03	Send DRCU command to SetPSW JFET Source Voltage (Ch 1) SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SCD06505 84050057 <hex> 0 <hex> (Def)	
		Verify Telemetry PSWJFET1V SM20V510	= -1.68 V	AND=SAP0_559
	ET=+00.00.00 UT=+00.00.00	Send DRCU command to Set Drain Bias Voltage settings SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SCD06505 84120001 <hex> 0 <hex> (Def)	
		Verify Telemetry PMLWJFETSTAT SM80F510	= 0001 <hex>	AND=SAP0_559
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetPSW JFET Source Voltage (Ch 2) SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SCD06505 84060052 <hex> 0 <hex> (Def)	
		Verify Telemetry PSWJFET2V SM21V510	= -1.59 V	AND=SAP0_559
	ET=+00.00.00 UT=+00.00.00	Send DRCU command to Set Drain Bias Voltage settings SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SCD06505 84120003 <hex> 0 <hex> (Def)	
		Verify Telemetry PMLWJFETSTAT SM80F510	= 0003 <hex>	AND=SAP0_559

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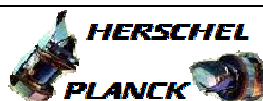
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetPSW JFET Source Voltage (Ch 3) SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SCD06505 84070052 <hex> 0 <hex> (Def)	
		Verify Telemetry PSWJFET3V SM22V510	= -1.59 V	AND=SAP0_559
	ET=+00.00.00 UT=+00.00.00	Send DRCU command to Set Drain Bias Voltage settings SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SCD06505 84120007 <hex> 0 <hex> (Def)	
		Verify Telemetry PMLWJFETSTAT SM80F510	= 0007 <hex>	AND=SAP0_559
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetPSW JFET Source Voltage (Ch 4) SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SCD06505 84080057 <hex> 0 <hex> (Def)	
		Verify Telemetry PSWJFET4V SM23V510	= -1.68 V	AND=SAP0_559
	ET=+00.00.00 UT=+00.00.00	Send DRCU command to Set Drain Bias Voltage settings SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SCD06505 8412000F <hex> 0 <hex> (Def)	
		Verify Telemetry PMLWJFETSTAT SM80F510	= 000F <hex>	AND=SAP0_559

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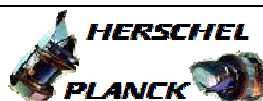
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetPSW JFET Source Voltage (Ch 5) SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 8409005C <hex> 0 <hex> (Def)	
		Verify Telemetry PSWJFET5V SM24V510	= -1.78 V	AND=SAP0_559
	ET=+00.00.00 UT=+00.00.00	Send DRCU command to Set Drain Bias Voltage settings SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 8412001F <hex> 0 <hex> (Def)	
		Verify Telemetry PMLWJFETSTAT SM80F510	= 001F <hex>	AND=SAP0_559
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetPSW JFET Source Voltage (Ch 6) SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 840A0057 <hex> 0 <hex> (Def)	
		Verify Telemetry PSWJFET6V SM25V510	= -1.68 V	AND=SAP0_559
	ET=+00.00.00 UT=+00.00.00	Send DRCU command to Set Drain Bias Voltage settings SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 8412003F <hex> 0 <hex> (Def)	
		Verify Telemetry PMLWJFETSTAT SM80F510	= 003F <hex>	AND=SAP0_559

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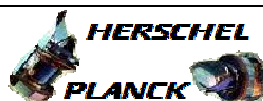
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetPMW JFET Source Voltage (Ch 1) SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 840B0057 <hex> 0 <hex> (Def)	
		Verify Telemetry PMWJFET1V SM30V510	= -1.68 V	AND=SAP0_559
	ET=+00.00.00 UT=+00.00.00	Send DRCU command to Set Drain Bias Voltage settings SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 84130001 <hex> 0 <hex> (Def)	
		Verify Telemetry PMLWJFETSTAT SM80F510	= 0001 <hex>	AND=SAP0_559
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetPMW JFET Source Voltage (Ch 2) SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 840C0061 <hex> 0 <hex> (Def)	
		Verify Telemetry PMWJFET2V SM31V510	= -1.88 V	AND=SAP0_559
	ET=+00.00.00 UT=+00.00.00	Send DRCU command to Set Drain Bias Voltage settings SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 84130003 <hex> 0 <hex> (Def)	
		Verify Telemetry PMLWJFETSTAT SM80F510	= 0003 <hex>	AND=SAP0_559

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetPMW JFET Source Voltage (Ch 3) SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 840D0052 <hex> 0 <hex> (Def)	
		Verify Telemetry PMWJFET3V SM32V510	= -1.59 V	AND=SAP0_559
	ET=+00.00.00 UT=+00.00.00	Send DRCU command to Set Drain Bias Voltage settings SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 84130007 <hex> 0 <hex> (Def)	
		Verify Telemetry PMLWJFETSTAT SM80F510	= 0007 <hex>	AND=SAP0_559
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetPMW JFET Source Voltage (Ch 4) SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 840E0061 <hex> 0 <hex> (Def)	
		Verify Telemetry PMWJFET4V SM33V510	= -1.88 V	AND=SAP0_559
	ET=+00.00.00 UT=+00.00.00	Send DRCU command to Set Drain Bias Voltage settings SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SCD06505 8413000F <hex> 0 <hex> (Def)	
		Verify Telemetry PMLWJFETSTAT SM80F510	= 000F <hex>	AND=SAP0_559

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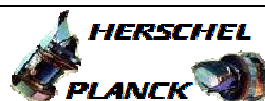
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetPLW JFET Source Voltage (Ch 1) SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SCD06505 840F005C <hex> 0 <hex> (Def)	
		Verify Telemetry PLWJFET1V SM50V510	= -1.78 V	AND=SAP0_559
	ET=+00.00.00 UT=+00.00.00	Send DRCU command to Set Drain Bias Voltage settings SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SCD06505 8413001F <hex> 0 <hex> (Def)	
		Verify Telemetry PMLWJFETSTAT SM80F510	= 001F <hex>	AND=SAP0_559
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetPMW JFET Source Voltage (Ch 2) SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SCD06505 84100052 <hex> 0 <hex> (Def)	
		Verify Telemetry PLWJFET2V SM51V510	= -1.59 V	AND=SAP0_559
	ET=+00.00.00 UT=+00.00.00	Send DRCU command to Set Drain Bias Voltage settings SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SCD06505 8413003F <hex> 0 <hex> (Def)	
		Verify Telemetry PMLWJFETSTAT SM80F510	= 003F <hex>	AND=SAP0_559

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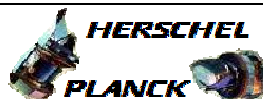
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Send DRCU command to SetTC JFET Source Voltage SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SCD06505 8414004D <hex> 0 <hex> (Def)	
		Verify Telemetry TCJFETV SMT0V510	= -1.49 V	AND=SAP0_559
	ET=+00.00.00 UT=+00.00.00	Send DRCU command to Set Drain Bias Voltage settings SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SCD06505 8413007F <hex> 0 <hex> (Def)	
		Verify Telemetry PMLWJFETSTAT SM80F510	= 007F <hex>	AND=SAP0_559
	ET=+00.00.01 UT=+00.00.01	SET_OBS_MODE SET_OBS_MODE Command Parameter(s) : OBSERVING_MODE SP02N500 TC Control Flags : SSID : 370 GBM IL DSE --- -- ---	SC002500 300 <hex>	
		Verify Telemetry MODE SM00M500	= PHOTSTBY	AND=SA_7_559
		Verify Telemetry PLIABITSTAT SM_0X520	= 1 <hex>	AND=SA_7_559
		Verify Telemetry PLIAP5V SML0V510	= 5.0 V	AND=SA_7_559
		Verify Telemetry PLIAP9V SML1V510	= 11.5 V	AND=SA_7_559
		Verify Telemetry PLIAM9V SML2V510	= -11.5 V	AND=SA_7_559
5		Set default end conditions		Next Step: END

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.00 UT=+00.00.00	SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP TC Control Flags : SSID : 370	SET_OBS_STEP SP03N500 GBM IL DSE --- -- --- 0 <hex>	
	ET=+00.00.01 UT=+00.00.01	SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID TC Control Flags : SSID : 370	SET_BBID SP01N500 GBM IL DSE --- -- --- 80000000 <hex>	
	ET=+00.00.02 UT=+00.00.02	SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP TC Control Flags : SSID : 370	SET_OBS_STEP SP03N500 GBM IL DSE --- -- --- 0 <hex>	
	ET=+00.00.00 UT=+00.00.00	SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID TC Control Flags : SSID : 370	SET_BBID SP01N500 GBM IL DSE --- -- --- 80030001 <hex>	
	ET=+00.00.02 UT=+00.00.02	SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP TC Control Flags : SSID : 370	SET_OBS_STEP SP03N500 GBM IL DSE --- -- --- 1 <hex>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.00 UT=+00.00.00	SET_OBSID SET_OBSID Command Parameter(s) : OBSERVATION_ID SP00N500 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SC000500 B0000000 <hex>	
	ET=+00.00.01 UT=+00.00.01	SET_OBS_STEP SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SC003500 0 <hex>	
	ET=+00.00.00 UT=+00.00.00	SET_BBID SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID SP01N500 TC Control Flags : GBM IL DSE --- -- --- SSID : 370	SC001500 80000000 <hex>	

End of Procedure